

The Specification

Please replace the paragraph on p. 13, lines 1-8 with the following paragraph:

A camera 185 is also coupled to bus 148 via a camera interface 187. Camera 185 (such as a digital/electronic still or video camera, film/photographic still or video camera, scanner, Charge Coupled Device (CCD) elements, etc.) is capable of capturing a sequence of images or one or more pixels and transmitting the captured images or pixels to RAM 152, or one of the other data storage devices associated with computer 142, via camera interface 202187. The coupling of camera 185 to camera interface 187 can be a wired connection (e.g., USB, IEEE 1394, a proprietary connection, etc.) or a wireless connection (e.g., Radio Frequency (RF), Infrared (IR), etc.).

Please replace the paragraph on p. 18, lines 9-16 with the following paragraph:

In Fig. 7, a capture system 250 includes a beam 212, support 214, center of rotation 216, and counterweight 218 analogous to capture system 230 of Fig. 5. However, system 250 differs from system 230 in that camera array 252 is mounted at the end of beam 212, array 252 does not move along beam 212, and images are captured by cameras ~~222~~254 along the radial direction of the circle of rotation of beam 212. Additionally, cameras 254 capture "whole area" images rather than the

slit images captured by cameras 222 in Figs. 4 – 6. This whole area image refers to a wider angle of capture such as a 45 degree or 180 degree field of capture.

Please replace the paragraph on p. 28, lines 3-14 with the following paragraph:

In one implementation, a set of basic parameters for rendering images is defined as follows:

h_c : the height of the image captured by the camera.

w_c : the width of the image captured by the camera.

θ_{fov} : the longitudinal field of view of the capture camera.

ϕ_{fov} : the lateral field of view of the capture camera.

α_c : the aspect ratio of the image pixel of the capture camera.

h_o : the height of the image of the observer's view.

w_o : the width of the image of the observer's view.

θ_{fovo} : the longitudinal field of view of the observer.

ϕ_{fovo} : the lateral field of view of the observer.

$\alpha_o[[\alpha_c]]$: the aspect ratio of the image pixel of the observer's view.